A Comprehensive Analysis of Netflix Movies and TV Shows

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Which Netflix movies and TV shows will have the most growth in the future?

NETFLIX

3,891

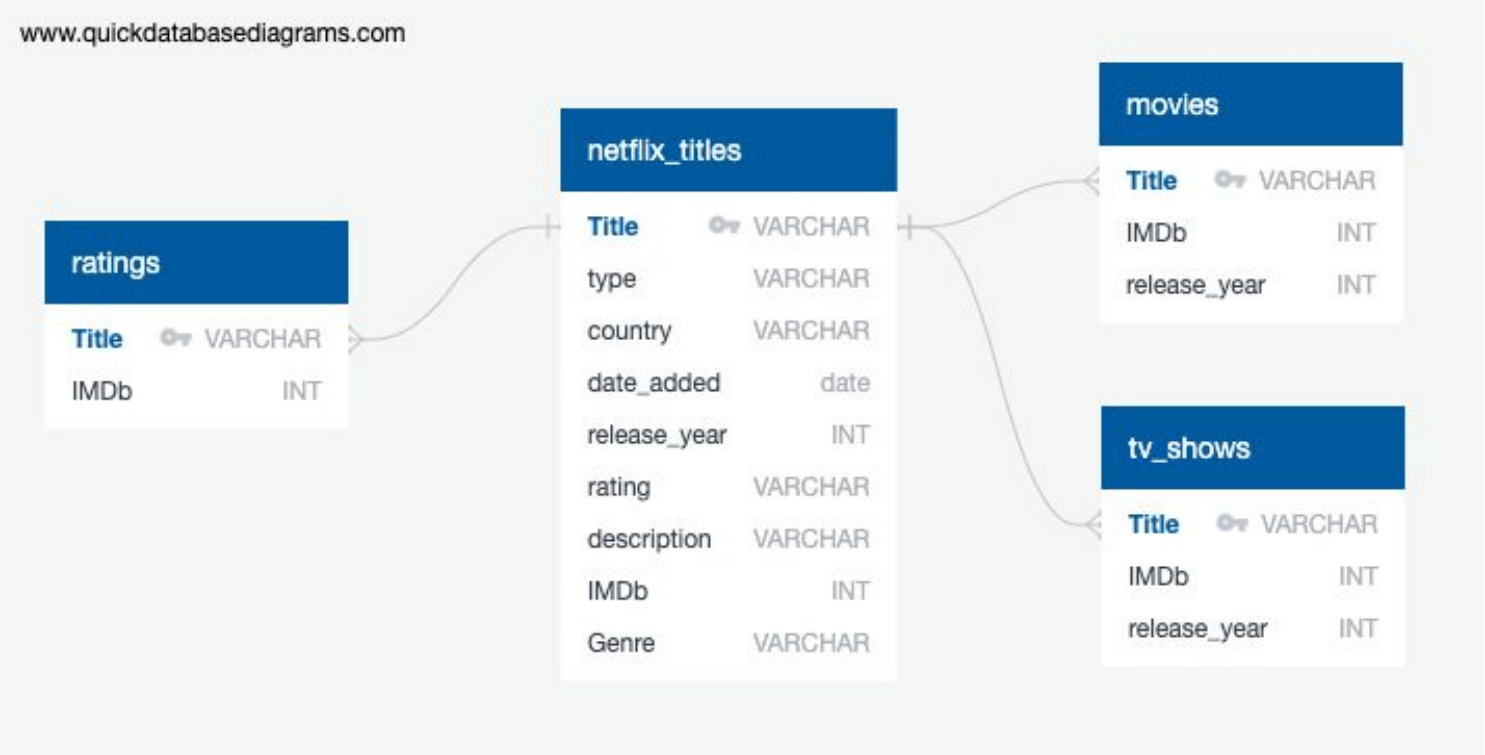
Movies and TV Shows spanning 15 genres were analyzed from the original dataset

Using Python to explore the data

Title	type	country	date_added	release_year	rating	description	IMDb	Genre
3%	TV Show	Brazil	2020-08-14	2020	TV-MA	In a future where the elite inhabit an island ...	7.4	Drama
7:19	Movie	Mexico	2016-12-23	2016	TV-MA	After a devastating earthquake hits Mexico Cit...	6.0	Drama
23:59	Movie	Singapore	2018-12-20	2011	R	When an army recruit is found dead, his fellow...	4.7	Horror
9	Movie	United States	2017-11-16	2009	PG-13	In a postapocalyptic world, rag-doll robots hi...	7.1	Action & Adventure
21	Movie	United States	2020-01-01	2008	PG-13	A brilliant group of students become card-coun...	6.8	Drama
...	...	...	...	...	...	...	...	...
Zona Rosa	TV Show	Mexico	2019-11-26	2019	TV-MA	An assortment of talent takes the stage for a ...	5.8	Comedy
Zoo	Movie	India	2018-07-01	2018	TV-MA	A drug dealer starts having doubts about his t...	6.8	Drama
Zoom	Movie	United States	2020-01-11	2006	PG	Dragged from civilian life, a former superhero...	4.4	Comedy
Zubaan	Movie	India	2019-03-02	2015	TV-14	A scrappy but poor boy worms his way into a ty...	6.1	Drama
Zumbo's Just Desserts	TV Show	Australia	2020-10-31	2019	TV-PG	Dessert wizard Adriano Zumbo looks for the nex...	6.9	Reality

3891 rows × 8 columns

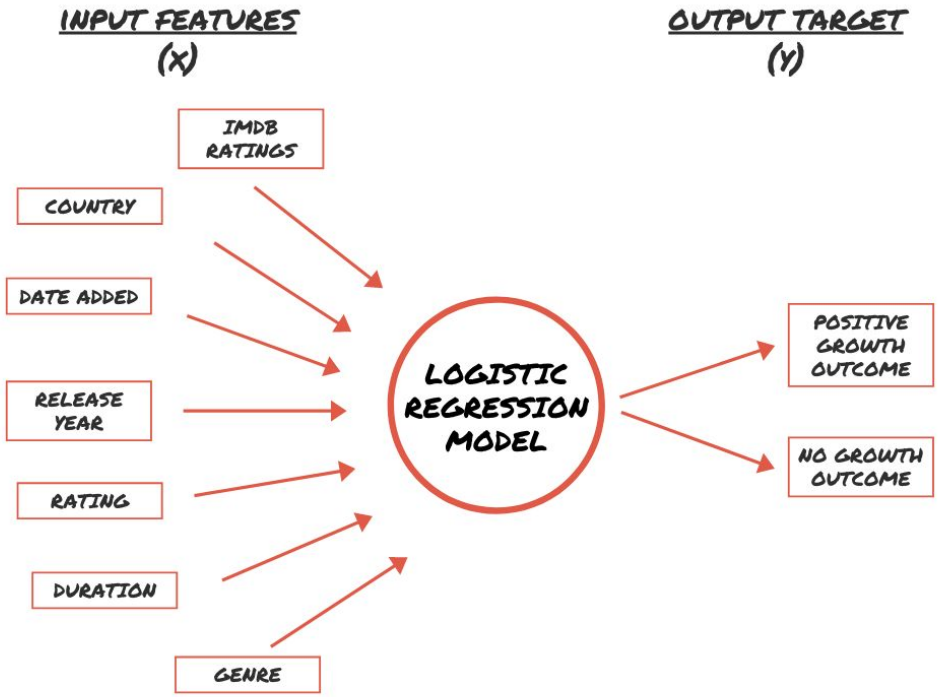
Using SQL to explore data relationships



Story Layout

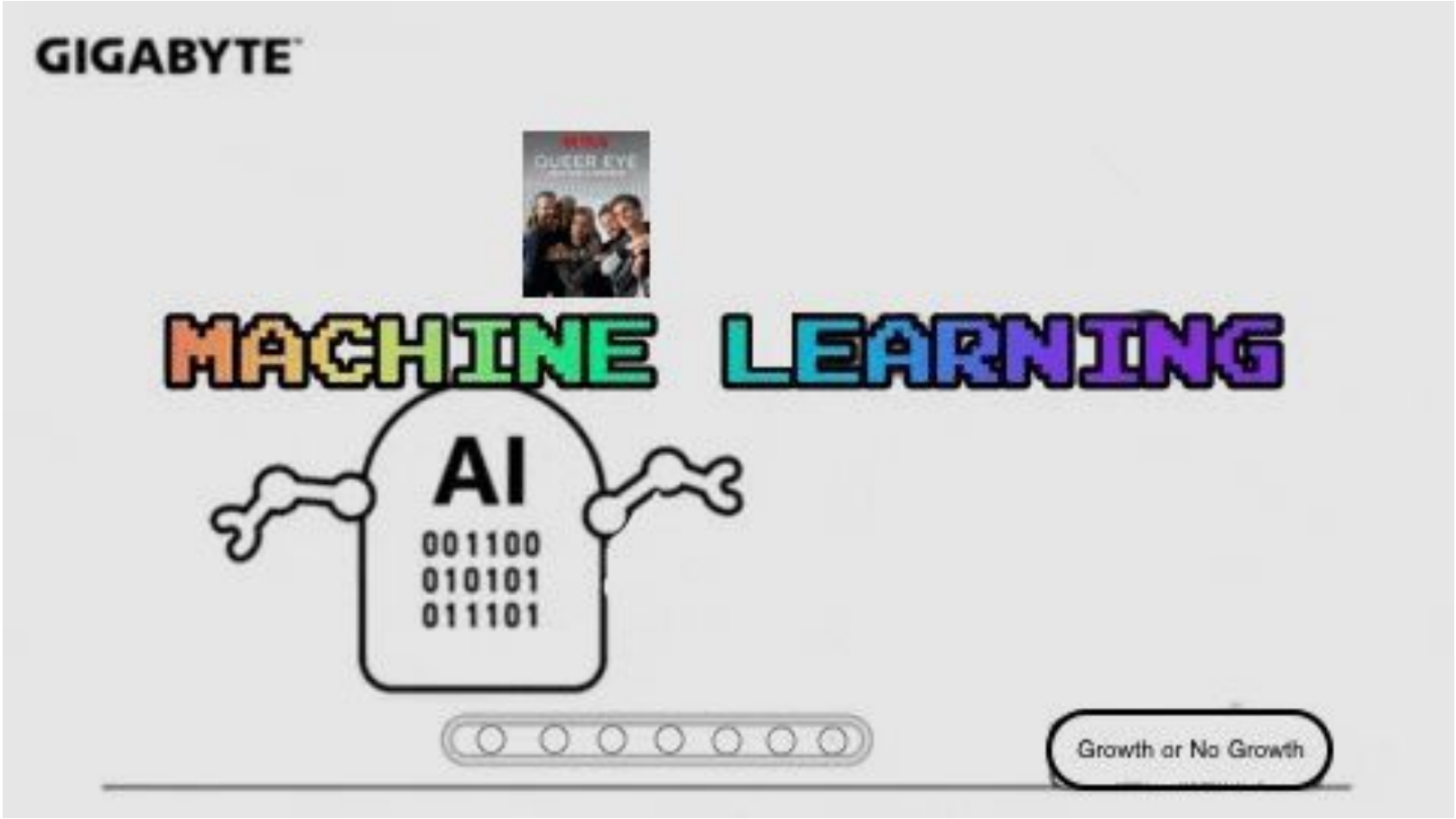
1. General
    a. # of titles
    b. Movie/tv show breakdown
    c. Date added bubbles
2. Country
    a. Avg rating per country map
    b. Stacy's Global entertainment view country map
3. Genre
    a. Avg ratings per tv show/movie combined bar graphs
4. Release Year
    a. # of titles by year bar graph
    b. Titles per country based on year map
    c. Avg rating per release year

Machine Learning Model



	pre	rec
0	0.81	0.89
1	0.90	0.82
avg / total	0.86	0.85

Machine Learning Results



Conclusion